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REMARKS

Claims 1, 4 – 24 and 26 are presently pending. Claims 1, 6 and 26 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Wang ('750) in view of Chang *et al.*, hereinafter 'Chang' ('307), and further in view of Stansell ('582). Claim 19 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Wang, Chang, Stansell and Campanella *et al.* (366). Claims 4, 5 and 7 – 18 were objected to as being dependent upon a rejected base Claim. However, these Claims were indicated as being allowable if rewritten or amended to include the base Claim and any intervening Claims. Claims 20 – 24 were allowed.

The indication of allowed and allowable subject matter is gratefully acknowledged. For the reasons set forth more fully below, Applicants respectfully submit that the subject Application properly presents Claims patentable over the prior art. Reconsideration, allowance and passage to issue are respectfully requested.

As noted previously, the subject application teaches a novel receiver design by which first and second bands are received simultaneously, each band having multiple carriers. The novel receiver is particularly well suited for satellite radio applications by which multiple carriers are transmitted within first and second ensembles by first and second satellites and a terrestrial repeater. The invention is set forth in Claims of varying scope of which Claim 1 is illustrative. Claim 1 recites:

1. A receiver comprising:
 - first means for receiving signals in a first band, **said first band including multiple carriers;**
 - second means for downconverting said received signals in the first band;
 - third means **for** receiving signals in a second band, simultaneous with the reception of signals in said first band, **said second band including multiple carriers;**
 - fourth means **for** downconverting signals in the second band; and
 - fifth means **for** selectively **outputting** signals from the first band or the second band. (Emphasis added.)

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The cited references fail to render obvious the invention as presently claimed. That is, none of the references, taken alone or in combination, render obvious a receiver adapted to receive signals in first and second bands simultaneously, **each band having multiple carriers**, and adapted to selectively output signals from the first band or the second band.


In the above-identified Office Action, the Examiner relied on Wang while noting that Wang does not teach first and second bands including multiple carriers. The Examiner suggests that this shortcoming is overcome by the teachings of Chang. Chang purports to teach techniques for utilization of bandwidth space assets. While the Examiner acknowledged that Wang and Chang together do not disclose simultaneous reception of received signals in first and second bands, the Examiner suggests that this shortcoming is addressed by the teaching of Stansell.

The Examiner asserts that at col. 19, lines 27 – 33, Stansell teaches simultaneous reception of received signals in first and second bands. However, as disclosed at col. 1, lines 23 – 26, Stansell's bands are single carrier bands. Hence, Stansell does not teach simultaneous reception of first and second bands, with **each band including multiple carriers** as set forth in Claims 1 and 26.

Accordingly, Applicants respectfully submit that Claims 1, 26 and the claims dependent thereon should be allowable as well.

Reconsideration, allowance and passage to issue are respectfully requested.

Respectfully submitted,
P. Marko et al.

By 
William J. Behman
Attorney for Applicants
Registration No. 29,014

Benman, Brown & Williams
2049 Century Park East, Suite 2740
Los Angeles, CA 90067
(310) 553-2400
(310) 553-2675 (fax)